

Product datasheet for **RG218363**

CLRN1 (NM_052995) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: TurboGFP

Symbol: CLRN1

Synonyms: RP61; USH3; USH3A

Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218363 representing NM_052995
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGGCCCTGCAGCAGCAACCAGTTTTTCCAGATTTGCTCAAAGCAATCCCAGTGAGCATCCACGTCA
ATGTCATTCTCTTCTCTGCCATCCTTATTGTGTTAACCATGGTGGGACAGCCTTCTTCATGTACAATGC
TTTTGAAAACCTTTTGAACCTCTGCATGGTCCCTAGGGCTGTACCTTTGAGCTTCATTCAGGCTCC
TGTGGCTGTCTTGCATGATATTGTTGCCTCTGAAGTAAAAATCCATCACCTCTCAGAAAAATTGCAA
ATTATAAAGAAGGACTTATGTCTACAAAACGCAAAGTAAAAATATACCACCTCATTCTGGCTGACTAA
AGGCCACAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218363 representing NM_052995
Red=Cloning site Green=Tags(s)

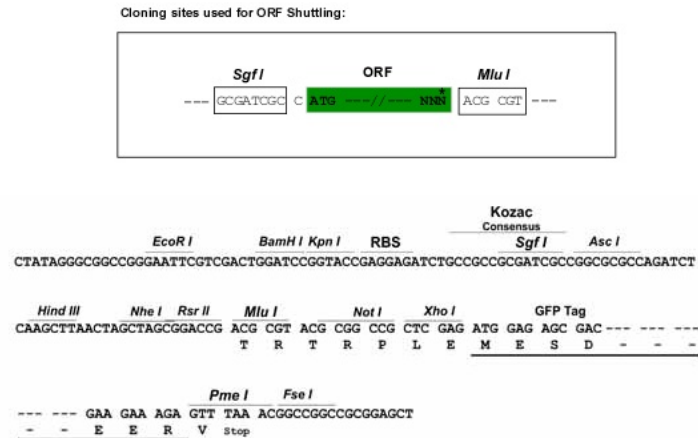
MQALQQQPVFPDLLKAIPVSIHVNILFSAILIVLTMVGTAFFMYNAFGKPFETLHGPLGLYLLSFISGS
CGCLVMILFASEVKIHLSEKIANYPEGYVYKTQSEKYTTTSFWLTKGHS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_052995

ORF Size: 360 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

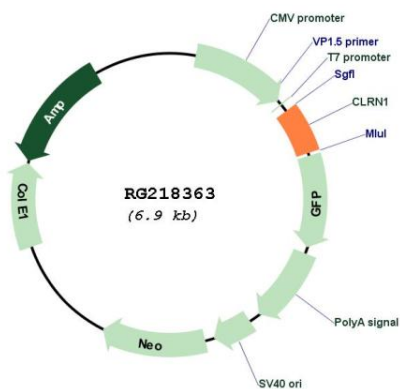
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_052995.2 , NP_443721.1
RefSeq Size:	1444 bp
RefSeq ORF:	363 bp
Locus ID:	7401
UniProt ID:	P58418
Cytogenetics:	3q25.1
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a protein that contains a cytosolic N-terminus, multiple helical transmembrane domains, and an endoplasmic reticulum membrane retention signal, TKGH, in the C-terminus. The encoded protein may be important in development and homeostasis of the inner ear and retina. Mutations within this gene have been associated with Usher syndrome type IIIa. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG218363